The Resonator

Official Newsletter of the Fair Lawn (NJ) Amateur Radio Club

Volume 10, Number 6 **www.FairLawnARC.org** **June 2025**

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Remember:
Ham Radio Is a Contact Sport!

President's Message

At the May Kawfee Tawk, Ria N2RJ did a very nice presentation about "Doing HF in an electric vehicle." I know I found it interesting since I drive a Toyota Hybrid car and right in the manual it states "no HF RF permitted." VHF & UHF are OK.

On Sunday May 4, 2025 we tried to hold our spring FLARC portable day. However, it had to be postponed till the fall because of the weather.

Again, please note that all Kawfee Tawks will begin at 7 PM, with the regular business meeting starting at 7:30 PM.

July 11, 2025 (the Friday before is July 4th) will bring us a Kawfee Tawk presentation by Andrea Slack K2EZ. Her topic will be "What is a rover?" A Rover is an Amateur radio operator that travels around to different grid squares during a contest, and she will be bringing her Rover Car for display.

There was no Kawfee Talk at the June meeting because we spent the entire time on the Hamfest and Field Day plans. So don't forget that June 14, 2025 is the date for our 5th annual Hamfest. This is one of our largest events and helps cover our expenses to run the club. This is an ALL-HANDS-ON event for all FLARC and ghost members. This is an opportunity for ALL GHOST members to become a real member by helping with the Hamfest. Just send me an email and I will get back to you. Remember, we start at 5AM till about 1PM. PLEASE give us whatever amount of time you have.

The next thing going on is Fair Lawn Street Fair. It will be held on Saturday June 22, 2025. (still looking for someone to help organize it).

The third and final thing in June is summer Field Day. It will be held on June 28 & 29, 2025. As in the past 60 years it will be held at Memorial Park, starting at 8 am on Saturday.

Continued on next page.

President's Message, continued

On Wednesday July 2, 2025 we will again be providing communications for the Fair Lawn fireworks. We will meet at the refreshment stand in Memorial Park at about 6:15 pm. All you need is a two-meter radio of some kind.

I hope to see everyone there. Remember we need to support the town because they support us with a home. I will have Family passes for people helping with the fireworks. Just send me an email when we get closer to the date.

Also, while I think of it, September 20, 2025 we will be holding a FOX hunt. More details will be available as we get closer to the date. Karl W2KBF and Brian KD2KLN will be "the FOX" — so go find them. A prize will be given to the winner or winners who find the fox.

I have tried to cover some of the items that the club will be doing. So please think about becoming a more active member and being part of a terrific club! PLEASE reach out to me or anyone on the board if you have an idea or a complaint.

73,

Gene, WO2W,

WO2W@ARRL.net

FLARC calendar of upcoming events

June 14	**FLARC Hamfest**
June 21	**ARRL Kids Day**
June 22	**Fair Lawn Street Fair**
June 28-29	**Summer Field Day**
July 2	**Fireworks Communications**
July 11	**KawfeeTawk, prior to business meeting – "What is a rover?"**
September 20	**FOX Hunt – find the RF Fox**

LETTERS

From: "Judith KC2LTM" Sun, 4 May 2025

WOW! Just looked through the May Resonator -

Great articles and pics!

Andy Devine as a HAM! I would have never known.

His life history is certainly an interesting one.

Our past Resonators have so much to offer all members of our club. You just have to select an issue and start reading.

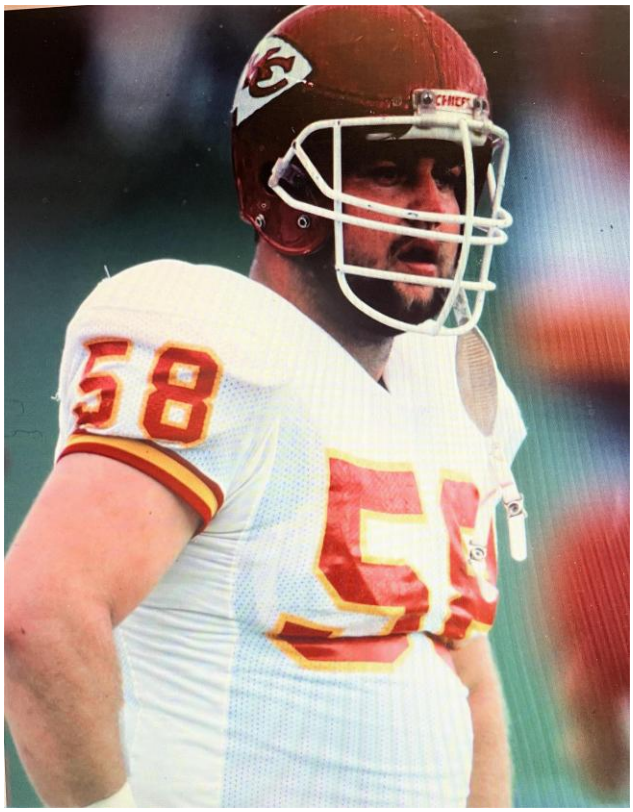
There is a little something for everyone.

Hoping to see all of you son, once the "infamous sink holes" are fixed on route 80.

Notable Hams

by Jim Jalil W2KNG

This column features notable hams both past and present. This month we feature a ham from the world of sports. Tom Baugh AE9B played four years in the National Football League as a center on the offensive line.



Tom Baugh AE9B

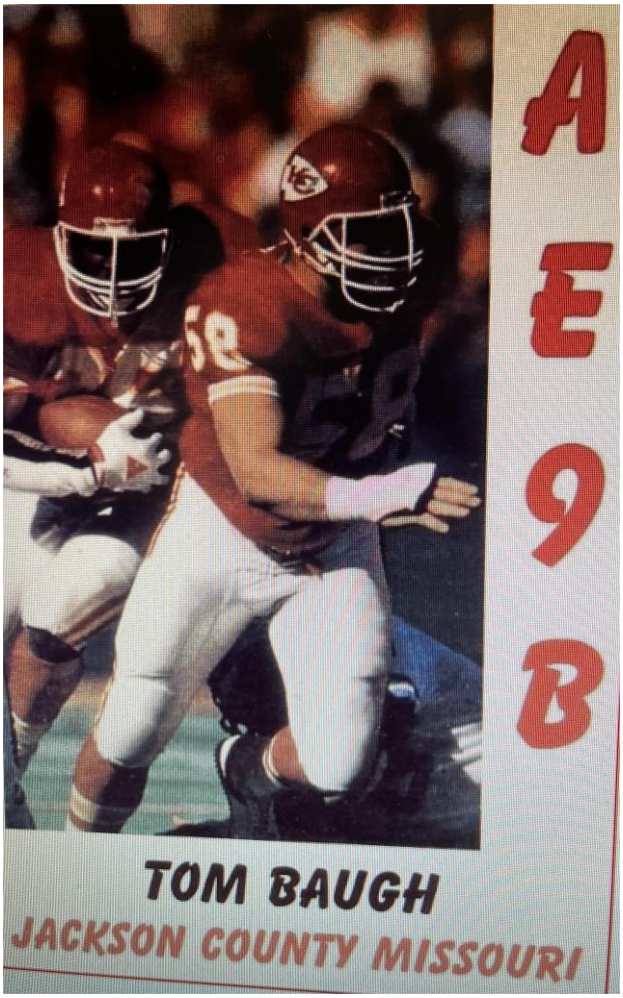
Tom Baugh was born in 1963 in Chicago, Illinois. He grew up in a Chicago suburb where he excelled in all sports, but primarily football. He graduated from Riverside-Brookfield High School as a football standout and was recruited to play football by Southern Illinois University, the same university attended by another famous athlete, Walt "Clyde" Frazier.

Baugh led Southern Illinois University to a national Division 1-AA championship in 1983. In 1986 he was a fourth round draft pick of the Kansas City Chiefs. Playing center at 6'3" 274 lbs, he was a formidable offensive lineman. Baugh played three years with the Chiefs before being traded to the Cleveland Browns, where he finished his professional football career.

Retirement from the NFL did not end Baugh's football career, however. He remains active to this day as a member of the NFL Player's Association. He is the Membership Director and Treasurer of the Kansas City Chapter of the National Football League Alumni Association. He has been elected to NFL Alumni Association Board of Directors, a prestigious position in a national organization dedicated to the support of men who played in the National Football League, some of whom are wealthy and famous, but others of whom are neither. The NFL Alumni Association is there for those former players who may need support and assistance.

In his post NFL career Baugh has been active in the construction business. He is owner and President of KC Contractors, a respected and reputable contractor in the greater Kansas City area.

Tom Baugh is a very active ham. First licensed in 1997 as KB9RTK, he later became KG9NB when he got his General, then Advanced, license and finally he obtained his current call, AE9B when he got his Extra Class License. Tom is so enthusiastic about ham radio he encouraged his wife Jeannie to become KC0INA.



QSL CARD AE9B

Continued on next page.

Notable Hams, continued

Tom operates all modes (including CW) and is a very active DX'er and Contester. No longer competing on the grid iron, Tom loves to compete on the airwaves.

Operating PJ2T, Tom came in No. 1 in the world in the 2003 ARRL SSB DX Contest !

ARRL NO. 1 AWARD

Tom has also won many other contesting awards including first place in the 9 call sign area for the 2001 CQ World Wide RTTY contest, first place in the CQ World Wide WPX Contest for the Zero District, and many others. Tom is also an avid top-bander, often found on 160 meters in the early morning hours.

Tom Baugh clearly loves ham radio. Although once cheered by thousands in football stadiums across the country and by millions more on Sunday afternoons on television sets across the nation, to us Tom Baugh is simply Tom AE9B, a fellow ham.

TOM BAUGH AE9B

WHAT IS FIELD DAY?

One of the most popular events on the ham radio calendar is Field Day. But what exactly is Field Day?

The ARRL insists every year that Field Day is NOT a contest. Ok, it's not a contest. But what exactly is Field Day and what is the purpose of the event ?

Well the answer to that question is easy. The purpose of Field Day is to have fun. Those hams who participate in Field Day will tell you that while there might be some work in the preparation, set up, break down and storage of equipment, which isn't always fun, the in-between part is a blast.

Of course operating is the focus of the event and that's exciting. But as any veteran Field Day ham will tell you, those hours not spent operating but sitting around with fellow hams just socializing, telling ham radio stories from Field Days gone by, sharing ham radio, talking ham radio, living ham radio, even for just a few hours in a beautiful outdoor park setting, away from the hustle and bustle of everyday life, is a huge part of the fun.

Many a lifelong ham radio friend has been made at Field Day. Bonds are formed between hams sharing a small tent operating 20 meters SSB late a night, or over hamburgers and pizza. Memories last a lifetime and many hams remember Field Days that took place 10, 15, 20 even 30 years ago.

So if you have never been to a Field Day, or haven't been to one in many years, we all know Field Day 2025 will be held June 28-29 at Memorial Park in Fair Lawn.

If you love ham radio, if you love spending time with fellow hams, if you'd enjoy operating in a contest-style mode for a little while (though remember, this isn't a contest... though everyone submits a score), even if you just love hamburgers and pizza, the Fair Lawn Amateur Radio Club sends you a golden invitation to join us later this month.

RADIO CONNECTS FD25

Field Day
June 28 - 29, 2025

Ham Radio Class Forming Now

ARC Squared Radio club will be holding
a 2-day in-person Amateur General Radio License class
where you can learn what you need to pass your
35-question exam and earn your upgrade to a
General FCC Amateur Radio License.

The General license is the second of three
U.S. Amateur Radio licenses.
To upgrade to General, you must hold a Technician license.
Upgrading to a General conveys extensive HF privileges.

Class: 2 days (Saturday and Sunday) June 21-22

Time: 8:00 am to about 4:30 pm

Location: Fairfield, NJ Red Cross office
209 Fairfield Road, Fairfield, NJ 07004
(Entrance from parking lot)

Class Fee: $20 (snacks & facility)

Exam Fee: $15 (payable at exam)

Schedule:

- Pre-Studying is required
- Class: all day Saturday, 8 am to about 4:30 pm
- Review: Sunday, 8 am to about 1 pm
- Exam: Sunday, after review

Registration required: *(with full name, address, cell number, call sign)*
Registration closes June 10th or when class reaches full capacity of 20.

To register or to ask questions, email: **NB1LL@ARRL.net**

Instructor: Bill Kelly, NB1LL (that is a #1 in NB1LL)

ARRL The national association for AMATEUR RADIO®

Learn About Amateur Radio !

AMATEUR RADIO — FAIR LAWN N J AMATEUR RADIO CLUB — YES! We still do that!

Come to our

FIELD DAY

& see a weekend of

- Science
- Communications
- Emergency Preparedness

STEM

SCIENCE · TECHNOLOGY ENGINEERING · MATH

Learn about World Wide RADIO communications ...

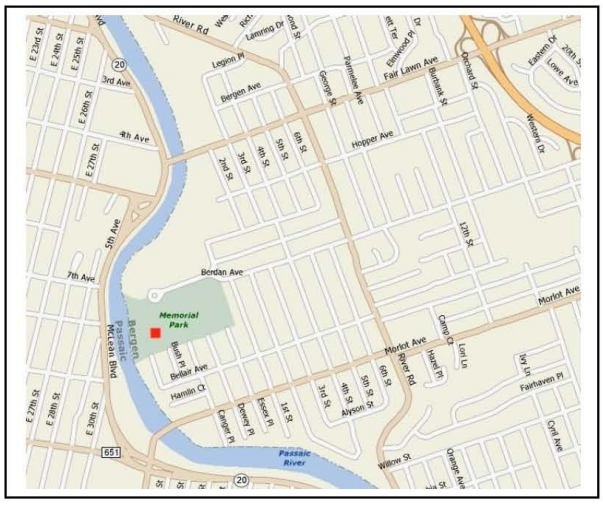
Speak over an actual Short Wave Radio station ...

See how we use computers + radios + nature + emergency power for fun & public service!

YOU are invited to visit us and see what it's all about ...

Fair Lawn Memorial Park (between the pool & river)

Sat. June 28th, 2pm to 5pm
7pm to 9pm



www.FairLawnARC.org

The History of Q-Signs

Many hams believe amateur radio operators invented Q-Signs. They did not. Others believe Q-Signs were invented by Western Union in the days of the landline telegram service. Western Union has nothing to do with the origin of Q-Signs.

In fact, Q-Signs were invented by the British -- the British Postmaster General to be exact, in 1909. The original purpose of Q-Signs was to make more efficient communication between ships at sea and coastal radio stations.

In other words, whether here in America or in Europe, landline telegraph services had no part in the development of Q-Signs. However, the idea quickly spread like wildfire in all phases on telegraphy.

In 1912 a list of 45 Q-Signs was formally adopted by Second International Radiotelegraph Convention held in London. Q-Signs now had international standardization.

In the days of spark-gap transmitters and before sensitive receivers, the use of Q-Signs proved invaluable to ham radio operators in facilitating the exchange of questions and responses that were short, snappy and could cut through, well, QRN and QSB.

These days Q-Signs are used not so much in the question and response function, but as shortcuts for ideas and words, like QRN and QSB.

So when hams use Q-Signs they are keeping alive a tradition that is over a century old. Q-SignS are now a part of ham-speak and the secret language of ham radio. QSL?

Not only do hams these days use many of the common Q-signs, but there is a whole other set of QNx signs that are used during ham radio CW and traffic handling nets.

Although amateur radio Q-Signs are primarily meant for CW use, it is very common to hear many of them on voice also.

Meaning of Q Signals

QRA	The name of my station is	QSB	You signal is fading
QRL	I am busy..Do not interfere	QSD	Your keying is defective
QRM	I am being interfered with	QSK	I can hear you between my signals
QRN	Conditions are bad	QSL	I am acknowledging receipt
QRO	Increase power	QSU	Reply on this freq or class
QRP	Decrease power	QSX	I am listening to ... on...kHz
QRQ	Send faster	QSY	Change freq, change to xmit on ....kHz
QRR	I am ready for automatic operation	QTH	My location (home) is
QRS	Send more slowly	QTR	The correct time is
QRT	Stop sending	QTS	I will send so my freq can be measured
QRU	I have nothing for you	QUB	Here is the info you requested
QRX	I will call again at...., wait	QUM	The distress traffic has ended
QRZ?	Who is calling me		

The Resonator Is Now Archived!

Ever wanted to search for something in *The Resonator*? Maybe a member profile. Perhaps a past Street Fair. Even who participated at Field Day in 2017.

Now you can. *The Resonator* has now been accepted as part of the Digital Library of Amateur Radio and Communications. DLARC is a project of the Internet Archive (the not-for-profit online library best known for *The Wayback Machine*.) DLARC is growing to be a massive online library of the past and present of ham radio and related communications. It is funded by a grant from Amateur Radio Digital Communications.

When you need to find something, go to: https://archive.org/details/flarc-resonator

You can use the search "text contents" field to do a full-text search on all issues or click "Date Published" to see them sorted by publication date.

Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

http://apparel.FairLawnARC.org
http://auction.FairLawnARC.org
http://blog.FairLawnARC.org
http://calendar.FairLawnARC.org
http://events.FairLawnARC.org
http://exams.FairLawnARC.org
http://facebook.FairLawnARC.org
http://news.FairLawnARC.org
http://swap.FairLawnARC.org
http://tech.FairLawnARC.org
http://youtube.FairLawnARC.org

https://groups.io/g/FairLawnARC

The Fair Lawn Amateur Radio

Why is FLARC New Jersey's Most Exciting Radio Club?

Annual and Special Events

- Field Day
- Winter Field Day
- World Amateur Radio Day
- Portable Day
- Earth and Environmental Days
- Field Trips
- Club Exchanges
- Special Even
- Public Service Activities
- Public Events
- Ham fests and Auctions
- Foxhunts
- Contests
- Youth Activities and more

There Is Something Every Night At FLARC!

Monday: Near and Far Net
Tuesday: DMR Net and Open House at the clubhouse
Wednesday: ARES/RACES Net
Thursday: Tech Net
Friday: Open House at the clubhouse or *Kawfee Tawk* Speaker Series (Monthly via Zoom)
Weekends: Open House at the clubhouse, POTA and other station activations, Contests, Foxhunts

Special Interest Groups

- Portable Ops (POTA, SOTA, etc.)
- DX: Chase the rare ones
- Digital Voice: DMR and other modes
- FT8: Plus, other WSJTX modes
- Satellite: Also, for weather interests
- Monitoring: SWL and other listening
- Contesting
- EMCOMM
- Radio Direction Finding
- Raspberry pi, Arduino

Plus:

- A five-position operating station clubhouse
- An active repeater—W2NPT linked with NJ2BS.
- New antennas on the roof
- Monthly VE testing
- An award-winning newsletter
- Monthly speaker programs
- Educational programs and activities
- Active in-person and social networking
- An extensive video education archive

That is Why FLARC Is the Most Exciting Club Around!

Come join us in-person or via Zoom for more activities, speakers, and projects!

www.fairlawnarc.org

The Club Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Business Meeting scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2025 Officers, Committees and Assignments

President	Gene Ottenheimer	WO2W
Vice President	Nomar Vizcarrondo	NP4H
Treasurer	Robert Marchini	KD2SOG
Secretary	Jim Cooper	W2JC
Trustee	Judith Shaw	KC2LTM
Trustee	Lowell "Van" VantSlot	W2DLT
Trustee	Noel Pagan	W2MSA
Member Services *Health & Welfare*	Judith Shaw	KC2LTM
Marketing	Nomar Vizcarrondo Jim Cooper	NP4H W2JC
Program	[open]	
Video/YouTube	Thom Guida	W2NZ
Social Media	Brian Duddy Thom Guida Dave Marotti	N2BTD W2NZ NK2Q
Photographer	Robert Marchini	KD2SOG
Community Relations	Gene Ottenheimer Dave Gotlib	WO2W KD2MOB
Field Day2025	[open]	
Winter Field Day 2025	Noel Pagan	W2MSA
Hamfest	Gene Ottenheimer	WO2W
Auction	Brian Cirulnick	KD2KLN
Education	[open]	
Youth Outreach	Robert Marchini	KD2SOG
Adult Outreach	Lowell "Van" VantSlot Jim Cooper	W2DLT W2JC
VE Testing Coordinator	Gene Ottenheimer	WO2W
Special Events	James Gallo	KB2FMH
Contests	Lowell Vant Slot	W2DLT
FLARC Historian	Fred Belghaus	KR2H [W2AAB]
Webmaster *Asst. Webmaster*	Jim Cooper David Kozinn	W2JC K2DBK
Technical Chair	Dave deCoons	WO2X
EmComm *RACES/ARES Director* *RACES/ARES Liaison*	Jim Breheny Dave Gotlib Steve Wraga	N2JLF KD2MOB WA2BYX
Newsletter Editor *Newsletter Publisher*	Jim Jalil Jim Cooper	W2KNG W2JC
Club Station Manager	Noel Pagan	W2MSA
Quartermaster	Fred Wawra	W2ABE
W2NPT Trustee	Jim Cooper	W2JC

Want a Call Sign License Plate?

Amateur Radio (Ham operators) license plates may be purchased for a $15 fee, for passenger vehicles, but not for commercial vehicles or motorcycles. (Applicants must be licensed by the Federal Communications Commission.)

Call MVC at 609.292.6500 or (toll free in NJ) 888.486.3339 to request an application.

The club has applications from time to time. If you would like an application, visit the "contact us" page, and we'll get one out to you.. Or find the form and detailed instructions at:

https://www.state.nj.us/mvc/pdf/vehicles/SP-23.pdf

Letters:
A feature of *The Resonator*

The editor has received a lot of nice notes, letters and comments about this newsletter and the club in general. We have not published them in the past but going forward we will at least try.

Here are the grounds rules:

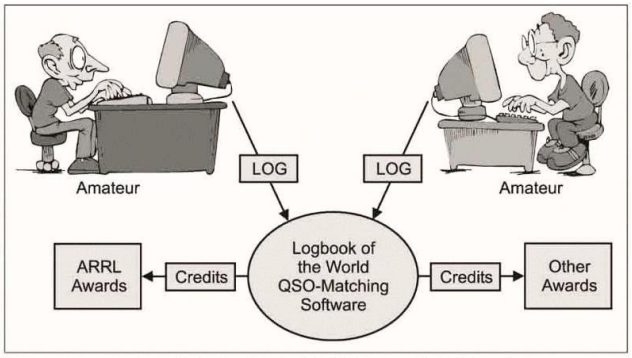
- *Please keep all comments as brief and succinct as possible.*
- *No personal attacks.*
- *No political rants.*
- *No comments promoting violence, racism, religious intolerance, vulgarity, obscenity, or other such discourteous behavior.*
- *The Editor reserves the right to exclude any comments that violate our guidelines and may subject the writer to further disciplinary action by the club.*

A QSL card is the final courtesy of an amateur radio contact.

https://en.wikipedia.org/wiki/QSL_card

INCOMING QSL Bureau -- if you have been making on-the-air contacts, you might very well have a package of exciting QSL cards from around the world waiting for you at the incoming QSL Bureau. If you previously received cards from them, check to see if you have any "credits" left by going to https://www.njdxa.org/?page_id=869 If you never contacted them, they probably have cards for you! Go to this page -- https://www.njdxa.org/?page_id=25 and get some 'credits' to cover the postage for mailing your cards to you.

To learn about the W2 Bureau, https://www.njdxa.org/?page_id=30



Those who upload logs to Logbook of the World become eligible to redeem confirmation credits for awards. LoTW wants and needs *all* logs. Uploading is free, so send your logs today!

SIG Group Membership

Here is an update on the roster of Special Interest Groups… many groups have increased in size during the last month. About 45% of all members have joined at least one group.

SIG Name	Leader	#
Contesting	W2DLT	14
Digital Voice	N2AAM	30
EmComm	N2JLF	13
Monitoring	WX2R	25
DX	W2JC	18
FT8	W2JC	22
Satellites	N2AAM	20
Portable Ops	W2MSA	48
Radio Astronomy	WX2R	4
Raspberry pi		7
Direction Finding	W2KBF	6
FLARC General		**176**

Sign up for a group... or … why not start one?

Contact webmaster@FairLawnARC.org if you would like to start a new Special Interest Group.

Follow FLARC ON THE WEB

Facebook: http://facebook.FairLawnARC.org

Twitter: @FairLawnARC

Youtube: http://youtube.FairLawnARC.org

Website: http://FairLawnARC.org

The Clubhouse Is Open THREE Fridays In June!!

Date	Clubhouse Status
June 6	CLOSED – Business Meeting at Fair Lawn Senior Center
June 13	OPEN
June 20	OPEN
June 27	OPEN • prep for FD next day

Pop-Up Tuesdays are now in-person at the club.

Editor's Corner — by Jim Jalil W2KNG

Ham radio operators belong to a very special community. We share a love of radio communication and technical curiosity, we share a specialized skill set, we speak a unique language. Moreover each one of us intuitively feels a fellowship with every other ham across the globe… if you're a ham, you're a friend of mine.

What better way to express that fellowship than through participation in a ham radio club.

Ham radio clubs in general, and the Fair Lawn Amateur Radio Club in particular, exist to encourage, support and provide a platform for amateur radio activities in a setting of community, camaraderie and mutual support.

A ham radio club is an open door to a place where everyone knows your name. Here at FLARC we have a club recognized and characterized by friendliness, acceptance, mutual respect and a shared love of ham radio. The newest ham is welcome and encouraged, the veteran ham is challenged to expand horizons while gladly sharing knowledge, experience and expertise. It is a place where everyone speaks ham radio.

A question each of us might ask ourselves is this… what does being a member of a ham radio club, and specifically the Fair Lawn Amateur Radio Club, mean to me?

The answer to that question should inform us why, how, in what manner and to what extent we participate in the life of the club. If no answer comes to mind, that might be a moment for introspection. But every member of the Fair Lawn Amateur Radio Club is encouraged to be an "active" member.

There is no definition of what an "active" member of a ham radio club is. Being an active member does not mean being omnipresent or spending endless hours volunteering. We all have busy lives and many priorities far more important than ham radio and a ham radio club. All of us share that.

But while the definition of being an active member does not mean being omnipresent, surely it does mean being present sometimes.

Being an active member means caring about the club and fellow members, keeping current on club activities and, while balancing life's priorities, finding those times and club activities in which one can participate.

If anything, being an active member means remembering one is even a member of the club.

If you have not been around lately, consider changing that. The Fair Lawn Amateur Radio Club's clubhouse is open Tuesday and Friday nights and Sunday mornings. The only exception is the first Friday of each month when a business meeting is held at the Fair Lawn Senior Center.

The Club is holding a hamfest June 14 and of course Field Day is June 28-29 at the Fair Lawn Memorial Park. Detailed information on Club activities is always readily available on the Club's website — https://FairLawnARC.org

If you read *The Resonator* as soon as it is published each month, if you are aware of Club activities, it is obvious you care about the Club and are in fact an active member. Consider being just a bit more active.

Pick a night to stop by the clubhouse. If you have a moment during the hamfest or Field Day, stop by the club's table – even if just to say hello.

No one is asking you to be omnipresent and spend hours volunteering. All the Club asks is to keep the Club in mind.

Vast Archive of FLARC Activities and Info

Members are reminded that we have a large archive of YouTube videos of our previous many years of Kawfee Tawk™ presentations, which cover many aspects of ham radio. Our mostly unsung hero club videographer, Thom W2NZ, has spent thousands of hours of his own time creating really professional quality videos of these 167 presentations. Visit our club YouTube page and you will see all of them listed on the main page, at http://youtube.FairLawnARC.org

Another large and rather unused archive is that of our seven years of the club newsletter, The Resonator. They provide a nice historical record of the many activities of FLARC over the years, as well as lots of useful info about ham radio and electronics. The entire archive is at http://newsletters.FairLawnARC.org

And don't forget the FILES area of our groups.io website, where useful and important info is saved:

https://fairlawnarc.groups.io/g/main/files

Renew Your ARRL Dues… Send Free Money to FLARC!

The ARRL has a great program to support affiliated clubs in that it sends part of your dues back to the club if you renew through the club.

So… when you get your ARRL renewal, send both your check and your renewal application to our trusty Treasurer, who will take care of getting your renewal to Newington and a fat check for $5.00 back to FLARC.

Nothing can be simpler…
you just have to remember!!

Print and use the form on page 22 of this issue of

The Resonator

Club Apparel — Get Them While They're RED!

Club apparel is always in vogue. Red is always "in" and your club friends all have them… you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

Don't forget…. they're easy to order.
Go to www.hamthreads.com
or visit http://apparel.FairLawnARC.org

Check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color**.**

And why not WEAR your nice red shirt when you come to the club, especially for meetings and events.

It's easy to spot FLARC members wearing their red club shirts !

Ham Radio Is Contagious And It Won't Make You Sick!!

2025 FLARC Net On The W2NPT Repeater:

Near and Far Net • Mondays at 8PM

W2NPT Repeater and EchoLink

Special Note: *As non-profit, the IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.*

https://newhams.info/

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BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such as gift is worthy.

This is YOUR club.... Be a part of it !!

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday, except when a Business Meeting is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the Fair Lawn Senior Center, and on Zoom**.**

Visitors <u>ARE ALWAYS</u> welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL **167.9**) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has nearly two hundred paid members.
Dues are currently $25 per year;
$20 for new members.

For more information, please see our website, at
http://membership.FairLawnARC.org

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FAIR LAWN'S COMMUNICATIONS CENTER!

With Our Antennas On The Roof!

Great Ham Radio Demonstration at the Paterson Great Falls

— by Jim Jalil W2KNG

Once again the Fair Lawn Amateur Radio Club was asked to provide a demonstration of ham radio to Paterson school children at the annual Paterson Great Falls Ecology Day. This annual event for school children is divided into two parts.

For the first part the children are given protective gloves, garbage bags and other equipment and tasked with cleaning litter from the park. The children seemed to take to this with enthusiasm and interest and from what we could see did a fine job. Perhaps having now spent time cleaning up they may be more aware of the damage done to the park by careless littering.

Once the park was cleaned up, the children then scattered to various tables set up to be exposed and educated on all manner of interesting environmental, ecological and scientific topics.

There were demonstrations of how birds and insects pollinate plants, fossils from extinct animals once native to the area, artifacts from colonial times and similar things of interest to school children.

Among the demonstrations was a table manned by members of the Fair Lawn Amateur Radio Club, exposing the students to ham radio. We have been told by park rangers that yearly this is one of the most popular tables among the children.

In the days leading up to the event, weather forecasts had warned of rain. A decision was made by the park rangers and the FLARC Chair of the event to limit the demonstration to two segments and sadly abandoning a POTA activation and an FT8 station. However, the two demonstrations that remained were the ever popular Morse Code instruction and a QSL card giveaway.

The Morse Code activity was once again manned by Captain Larry WA2ALY (relieved at the end by Bob N2SU). Here, children were introduced into a "secret code." Captain Larry explained to each child that Morse Code is a language of its own expressed in dits and dahs. Each child sat in front of a straight key attached to an oscillator and learned how to send a dit and a dah. Then each child gave Captain Larry his or her first name and, finding the letters on a chart, sent his or her name through the oscillator in Morse Code. The student was then congratulated and given a piece of paper with their name written in dits and dahs, and on the back all the letters and numbers in Morse Code.

Captain Larry WA2ALY ready for "customers"

The second ham radio demonstration had to do with QSL cards. Thanks to Dave WO2X, who contributed a stack of abandoned DX QSL cards from the North Jersey QSL Bureau, each child would reach into a drum and pick out a QSL card.

A brief explanation was given of what the card was about and how it was used, and how as hams we are able to talk to others all around the world – and often send such cards to each other.

The child would then read where the QSL card was from and was asked to find that country on a world map. The child was then told he or she could keep the QSL card.

In each case, the Morse Code instruction and the QSL card giveaway, the children walked away with huge smiles.

The customers have arrived!

The members of FLARC who participated in the event remarked how polite, well behaved and attentive the students were. There was the inevitable "thank you" and each child was respectful and seemed eager to learn. Given that reception, it was a delight to spend time with these young students.

Continued on next page.

Paterson Great Falls, Continued

Great thanks goes to those members who participated in the event: Captain Larry WA2ALY, Bob N2SU, Skip KD2BRV, Jim W2KNG, Gene WO2W, Dave WO2X and of course the Chairman of the Club's participation, Jim W2JC -- without whose resolute attention to detail, preparation and planning, the event would not have been as successful as it was.

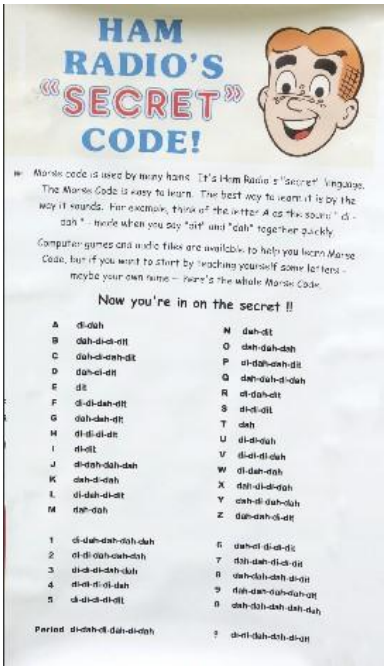
A final comment may be in order. Events such as these showcase the Club, but more importantly showcase ham radio. As hams and members of FLARC we have a responsibility to Amateur Radio to pass the baton to the next generation, as the previous generations have passed it to us. Jim W2JC made the observation that events such as these, particularly events involving young people, are like Johnny Appleseed spreading seeds across the landscape. As Johnny Appleseed would never know if any particular seed would blossom into a tree, so too one can never know if a tiny spark may have been ignited, or a thought implanted which might someday find fruition in a career in electronics, or just a ham radio license.

At the very least the students who stopped at our table now know ham radio exists, something of which they previously may have been totally unaware. That awareness will last a lifetime.

Also the teachers and other adults who passed by and saw our FLARC display also now know…

Yes, We Still Do That.

Where is this card from?



The "Secret Code" banner

New banner for the QSL Quiz

2025 Dues

New members: only $20 for your first year !

There are no changes to dues for the upcoming year. Renew now, and let us know what activities or features would make you more active with the club.

Please makes checks payable to:
"Fair Lawn Amateur Radio Club"
and send them to:

Fair Lawn ARC
– Attn: Treasurer
10-10 20th Street
Fair Lawn, NJ 07410

Please include a member application form with your $25 check regardless of your member status.
It can be found near the back of this newsletter.

FLARC May 17, 2025 VE Testing Results

With VE testing back on schedule,

Name	Call	License Earned
Andrew Farinella	KE2FEK	General
Richard Schonberg	KE2FKE	General
Fadi Haddad	KE2FNE	General
Henry Fowler	KB2BEE	General
Carolyn Pontoriero	KE2FIO	General
Michael Luraschi	KE2FWM	Technician
Douglas Faley	KE2FWN	Technician
John Norman	KE2FWE	Technician

Testing for next month will be at the Fair Lawn Recreation Center.

Hamspeak

AVC Automatic Volume Control:

a method in a radio receiver of keeping the received signals at the same level regardless of their strength.

ALC Automatic Level Control:

a way of keeping signals in an audio system at the same level regardless of input, may use a time constant factor to help prevent a 'breathing' sound artifact in the signal output.

AGC Automatic Gain Control:

similar to ALC but with other parameters considered.

AFC Automatic Frequency Control:

a method of controlling frequency drift. Used mostly in older FM radios as a separate switch but provided in newer equipment as part of their circuitry. Digital systems largely eliminate this problem.

Fred Wawra, W2ABE, 73.

Eleven Special Interest Groups [SIGs] Already Formed: Any Others?

Club interest continues to grow in the SIGs.

Another recently formed SIG is for those interested in Raspberry Pi and Arduino projects, but now includes DoItYourself (DIY)/Makers kit building, 3D printing and similar topics.

A list of all of the current SIGs is shown on page 10.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Ham radio software*
- *Technical assistance to club members*

Anyone interested in leading any of these groups…?

Please contact webmaster@FairLawnARC.org

Theoretics Demystified

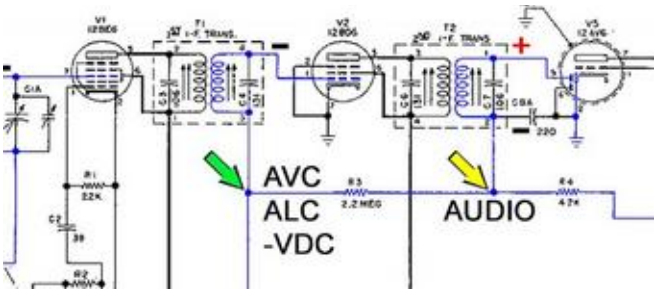
We have covered modulation systems and how they work, so now we are going to go over systems used in recovering the signals. One of the most important systems that was developed is the Automatic Volume Control circuitry, or AVC for short.

Early in the era of radio communication it was found that strong local stations boomed in but the far away station signals were barely heard. There was not much that could be done in the era of the simple crystal set, but things changed with the invention and development of vacuum tube circuitry. The early tube radios were the regenerative types, which meant that you would try to tune in a station by adjusting the radio's controls to provide positive feedback – which would make the radio 'whistle' in the headphones; then you would adjust it back to lessen the feedback so you could hear the radio signal.

These types of radios were very simple, however with the invention of the Super Heterodyne type of radio, things changed.

Superhet sets had several tubes as part of their circuitry which provided the amplification of the incoming signal. In a superheterodyne set the incoming RF is mixed with a local oscillator of such a frequency that the resulting lower frequency of the heterodyned signal is used and amplified and is called the Intermediate Frequency or IF. The upper product of the heterodyne process is filtered out, as it is easier to deal with the lower frequency produced.

In the Automatic Volume Circuit what happens is that at the final IF stage a negative DC voltage is developed and is sent back to one of the grids in the mixer tube [used to produce the heterodynes] and that negative voltage has the effect of lowering the amplification factor of the mixer tube. Therefore, a strong signal produces stronger negative feedback, and the result is that the output to the detector stage is kept reasonably constant. The result for the listener is a reasonably constant listening volume.

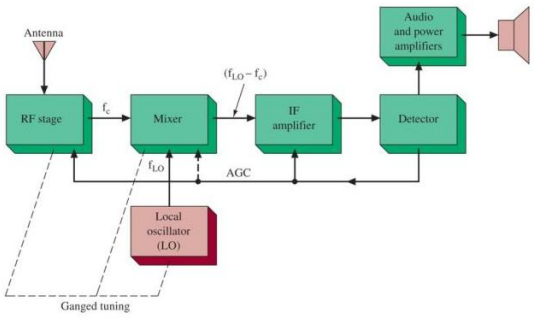


The example shown above is for a tube type radio set, but the feedback scenario is the same in solid state equipment – whether it be discreet components or engineered into a single chip. There are now complete AM radio sets on a chip, which do the same thing.

This Automatic Volume Control feedback circuitry is used in most radio receivers whether a pocket radio or an extravagant HAM radio setup. Think of it as a floodgate downstream that moves with water pressure and the higher the water flow, the more it is pushed and imagine that the lower floodgate is connected by a rod to another floodgate upstream that is designed to restrict water flow more the more it is pushed by the rod from the gate downstream. The net effect is to keep the water flow downstream at a constant level regardless of the amount of water flowing upstream, thereby being a form of NEGATIVE FEEDBACK!

If you ask what keeps the feedback circuitry in an AVC circuit from totally stopping the radio signal, the answer is in carefully chosen component values which affect the amount of feedback to the previous part of the circuit. There is obviously more involved than written here, but if interested you can find much on the subject.

Fred Wawra, W2ABE, 73.



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Ham Radio "Stars" at Dayton

— reported by Fred KR2H

Dayton attracts many Ham Radio Stars. I wasn't there this year, but several FLARC members were. Here's a shot of our Tech Committee Chairman, Dave WO2X, with one of my longtime ham radio friends, Craig WR2G, at Dayton.

Dave, WO2X and Craig, WR2G at Dayton 2025

Craig and I go back to 1963, when we were newly minted Generals in High School, rag chewing regularly on 10 or 15 Meter AM phone. He always beat me in the DX pileups, though, with his Johnson "Invader" on SSB (100 Watts) with a Hammarlund HQ-110 receiver and a tri-bander on a tower from his QTH in Garfield. I later added a Drake TR-3 transceiver to my shack, and evened out our friendly competition for DX a bit.

Today, Dave, Craig and I are members of the Frankford Radio Club, still chasing DX and contesting.

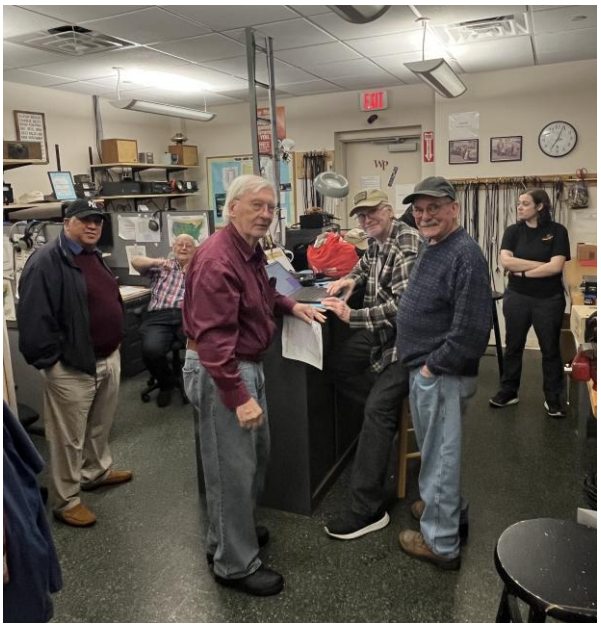
73,

Fred, KR2H

Views from PopUp Tuesday

Henry's home-brew ground plane antenna

Henry KB2BEE has recently returned to ham radio, after a few years "off" and his 2m HT wasn't doing that well getting into the local repeaters. So with the encouragement of Steve WI2W, Henry decided to make a very basic wire ground plane antenna. Under the "elmering" of Steve, he soldered the five wires to the SO-239 coax connector, and then learned how to use the antenna analyzer to "trim" the antenna to resonance within the ham band. This was done at a PopUp Tuesday session at the club.



PopUp Tuesdays are popular with many members coming on Tuesdays.

Continued on next page.

ELECTRONIC DUES PAYMENTS ARE NOW AVAILABLE!

FLARC dues, new and renewal — and even donations! — can now be made on-line …

Until permanent arrangements can be made, several fiduciaries of the Fair Lawn Amateur Radio Club have graciously agreed to forward electronic payments to the Club's bank account.
Payments can be made using Zelle account.

- Log into your Zelle account
- Use the following phone number as the recipient: 201-240-9317
- In the notes section, include your Call Sign and what year(s) the dues are for

Once complete, you may – for added assurance - send a screenshot to treasurer@FairLawnARC.org

– please be sure to redact any personal information –
(e.g. bank account number, balance, etc.)

For both new and renewal, please complete the Membership Application form at https://FairLawnARC.com/membership.pdf
with your current info and either give it to a club officer
or mail it to the address on the form.

For additional information on club membership, visit
http://membership.FairLawnARC.org

Visit the club website at http://FairLawnARC.org for info about the club, club activities, club history and our club 2-meter repeater.

For a PDF form that can be filled in on-line, then printed and mailed with check, CLICK HERE

Or you can print this page, fill it in and mail to the address shown at the bottom.

Fair Lawn Amateur Radio Club

Fair Lawn Recreation and Community Center
10-10 20th Street
Fair Lawn, N.J. 07410

MEMBERSHIP/RENEWAL FORM

Name_____ **Call** _____

Address_____ **PO Box**_____ **Ste./Apt #**_____

City _____ **State** _____ **Zip** _____

Roster Published Phone #_____ **Unpublished Phone #**_____

Roster Published EMAIL _____ **License class:** _____

Check all that apply **ARRL Member ?** **RACES Member ?** **ARES Member ?** **CERT ?** **VE ?**

Additional Family Members (In same household) --

Name_____ **Call** _____

Name_____ **Call** _____

Introductory and Student Membership (Students under the age of 18 eligible for student membership) (Introductory membership open to new members or not a member in last 7 yrs)	**$ 20**	**$**_____
Associate Membership *	**(No Fee)**	
* Open to Fair Lawn Residents Only. No voting rights or other privileges.		
Renewal of Current Membership	**$ 25**	**$**_____
Three Year Renewal Incentive	**$ 65**	**$**_____
(Single memberships only, family memberships excluded)		
Additional Family Members #_____ **at**	**$ 5 each**	**$**_____
Life Membership	**$ 625**	**$**_____
Senior Life Membership (65 yrs. of age or over)	**$ 250**	**$**_____
Equipment Fund Donation, above regular membership dues		**$**_____
		==========
	Total submitted	**$**_____

_____ **Date**_____

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1st to Dec. 31st of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

Fair Lawn ARC
– Attn: Treasurer
10-10 20th Street
Fair Lawn, NJ 07410

Complete this form for NEW or RENEWAL of ARRL membership and give to FLARC Treasurer [David Gotlib KD2MOB] with your payment check.

ARRL The National Association for Amateur Radio®

Membership Application

☐ **New** ☐ **Renew** ☐ **Previous Member** ☐ **Unlicensed**

Name _____ Call Sign _____

Address _____

City _____ State _____ ZIP _____

Email _____ Phone _____

Date of Birth _____ / _____ / _____

My Family Member is Joining or Renewing: ($12 per member)

Name _____ Call Sign _____

Name _____ Call Sign _____

☐ Please note my new address ☐ I do not want my name and address made available for non-ARRL related mailings

Your Annual Membership Dues*

Circle Your Choice (rates effective Jan. 1, 2024)

	1 Year	3 Years
Standard membership	$59	$174
Family (same membership exp. date and address)	$12	$36
Student (must be under age 26)	$30	
Blind (requires one-time statement of legal blindness)	$12	$36

Add-on ARRL Subscriptions

QST, ARRL's membership journal for active radio amateurs.
☐ 1 Year $25* ☐ 3 Years $75*

On the Air, For beginner-to-intermediate-level radio amateurs.
☐ 1 Year $25* ☐ 3 Years $75*

Member Benefits

Your membership supports benefits, services, and programs that keep you active and on the air.

Membership Includes:

- Access to four digital magazines and archives (*QST*, *On the Air*, *QEX*, & *NCJ*)
- Unlimited courses through the ARRL Learning Center (learn.arrl.org)
- Logbook of The World®, contests, and award programs

...and more!

*A print subscription for *QST* and/or *On the Air* requires an ARRL membership. Dues and subscription rates are subject to change without notice and are non-refundable

Payment Information

$_____Total Charge to: ☐ Visa ☐ MasterCard ☐ AmEx ☐ Discover ☐ Check Enclosed

Card Number _____ Expiration Date _____

Card Holder's Signature _____

Toll Free (US) 1-888-277-5289 or 860-594-0200 • ARRL, 225 Main St., Newington, CT 06111-1400
membership@arrl.org • www.arrl.org/join

CLUB
form rev 1/24

June 2025
FLARC Business Meeting

Meeting summary for FLARC Monthly meeting (06/06/2025)

Quick recap

The Fair Lawn Amateur Radio Club meeting covered financial updates, technical committee reports, and upcoming contesting activities. The club discussed preparations for various events including the upcoming hamfest, Field Day, and other presentations planned for the year. They also addressed outreach efforts to schools and scout groups, while emphasizing the need for volunteers and discussing plans to cap Field Day expenses.

Next steps

- Bill (WA2DWB) to organize antennas, coaxes, and equipment for Field Day.
- Volunteers needed to help set up antennas and equipment on Saturday morning for Field Day.
- Volunteers needed to take down equipment and pack it up on Sunday afternoon for Field Day.
- Volunteers needed to man the stations during Field Day.
- Volunteers (at least half a dozen) needed with 2-meter HTs to support the town fireworks on June 26th.
- Brian to head up the annual auction in November.
- Members to consider volunteering for club officer positions for next year.
- Ed (WX2R) to check if the September 20th portable day and fox hunt can be moved to align with West Palm Beach club's schedule.
- Field Day Committee to stay within $500 budget for food and supplies.

Summary

Club Updates and Financial Report

The meeting began with a flag pledge. The secretary confirmed that we have a quorum with five members of the Board present; VP Nomar NP4H is in Puerto Rico and Trustee Noel W2MSA is away on business. The treasurer reported the bank balance, an increase of $838 from last month (mostly from the sale of the two antennas by Gene, and $280 worth of membership renewals), with 48 current members [plus untallied Life Members] and a $75 deficit since the start of this year. In addition, the petty cash fund (used for coffee and incidentals) increased by $25 because someone paid their membership with cash. The treasurer indicated that membership cards have been sent to those who joined and renewed. Treasurer’s report was accepted by voice vote.

The Tech Committee reported that the Flex radios were upgraded to version 3.9.18, a new 6 and 10-meter yagi antenna will be assembled this weekend [weather permitting] -- after which we will arrange for the tower climber to properly install it on Tower 1. The club computers were updated with Windows patches. The committee also noted that two previously purchased antennas were sold for a $350 profit. Van W2DLT announced the availability of Dayton event booklets for those who did not attend.

June 2025 FLARC Business Meeting, cont'd.

Fairlawn Radio Club Contest Updates

Van W2DLT discussed the contesting activities of the Fair Lawn Radio Club, highlighting its unique setup where members can use high-quality equipment at the clubhouse for contesting or casual operation, even if they are Technician class or unlicensed. He explained the basics of ham radio contesting, emphasizing its competitive nature and the opportunity for operators to contact as many stations as possible. Van W2DLT mentioned upcoming contests in June and July, including Atlantic Canada QSO Party, ARRL VHF, ARRL Kids Day, and Youth on the Air -- encouraging members to participate and help introduce young people to the hobby. "If you ever get on the air, do it on kids day. These are all kids that are either sub-teens or teens so that they can experience what's going on, and they need somebody to talk to."

Fair Lawn Amateur Radio Club Updates

The meeting covered several topics related to the Fair Lawn Amateur Radio Club's activities and upcoming events. Gene WO2W discussed plans for operating contests, including the possibility of overnight operations with special arrangements. He also mentioned the upcoming Hamfest on June 14th and the need for volunteers to assist with parking and other tasks. Ed WX2R shared his upcoming trip to Belgium and his plans to meet with the Antwerp Amateur Radio Club (whose clubhouse and station are aboard a lightship in Antwerp Harbor) and displayed a 3D plastic replica of the FLARC logo which Ed will give to the president of the Antwerp Amateur Radio Club when they meet. This token of friendship was 3D printed by Henry KB2BEE, and a round of appreciative applause sounded for Henry.

Skip KD2BRV provided a report on his participation in the West Palm Beach (Florida) Amateur Radio Club's Winter Field Day event. He commented: "I have to say they are a terrific bunch of guys. And
I wish you guys could actually meet them. I talked to the president of the club for about half an hour." Ed WX2R followed up Skip's report by saying: "I've been asked by the West Palm Beach Club to do a short presentation for Skip's behalf." Ed presented Skip an award which read: "The following award is given to Skip Barker KD2BRV for your dedication to the West Palm Beach Amateur Radio Group's 2025 Winter Field Day operation."

Moving on to new business, president Gene WO2W said: "Last week we had very miserable weather, as you know, and Jim W2JC was kind enough to volunteer to be the Coordinator for the Paterson Great Falls National Historical Park Earth Day presentation which FLARC has done for ten years, to introduce the 350 Paterson middle school students to ham radio. Emails were flying back and forth for 48 hours before the actual affair. They moved the location of the event 3 times -- they moved it across the river, back again across the river and then to the main parking lot, all within 24 hours. The rangers did not want to cancel the event, but there were weather forecasts of rain in the morning. The rangers arranged to rent two very large tents for the presenters. It turned out the rain stopped just before the students arrived, and Jim's crew from FLARC were able to set up our two best displays. I'd like to thank Jim for his dedication to handling this, because I more or less "volunteered" him for it. I'd like to present to Jim this certificate and ask him to read it." [See the certificate at the end of these minutes.]

June 2025 FLARC Business Meeting, cont'd.

The conversation ended with a discussion about the upcoming ham fest, which will have a different setup this year with no pre-registration for vendors.

A letter was received from Jimmy Graf, Superintendent of Recreation and Parks for the town of Fair Lawn (which sponsors FLARC and provides our two room "home"), thanking us for our participation and help with the town's Memorial Day parade. See the letter at the end of these meeting minutes.

Hamfest Planning and Door Prizes

The meeting discussed the upcoming hamfest, which will take place next Saturday with setup beginning at 5 AM and vendors arriving at 6 AM. Gene WO2W announced we have 11 door prizes worth a total of approximately $1,100, including equipment donations from various sponsors. The event will run until around 1-2 PM, with Gene WO2W needing to leave by 10:30 AM due to personal commitments. The meeting also noted that while there are other hamfests in the area, their own event has raised $11,000 over the past years. President Gene WO2W also indicated that Jimmy Graf and the Recreation Dept. are supporting us not only with the space for the hamfest, but also access to the indoor rest rooms as well as ten sets of folding tables and chairs, traffic cones and saw horses for traffic control and such.

Field Day Volunteer Shortage

The club is preparing for Field Day but faces a shortage of manpower, particularly for antenna setup and electrical work. They currently have enough equipment, including 3-4 Flex radios and various other radios, but need volunteers to organize antennas, coaxial cables, and other equipment in the basement. The club has secured the entire Grove area for the event. They are also waiting for responses from volunteers to help with setup, with a decision to potentially scale back operations to 2-3 stations if enough help is not found.

Club Events and Leadership Planning

The club president outlined the upcoming events for the year, including the Ham Fest on June 14th, a presentation on rovers by Andrea Slack in July, and a presentation on POTA in Ireland by Chris KE2NJ in August. The annual auction will be held in November, with Brian KD2KLN being volunteered to lead it. The club will return to paper-based auction processes to reduce data entry. Nominations for next year's offices will take place in October, with nominations from the floor in November, and voting at the December holiday party. The club is seeking volunteers for various roles and encourages members to provide feedback on how to improve the club.

Outreach and Budget Planning

The club discussed various outreach efforts, including attempts to engage local schools and scout groups, with limited success. The club is planning an upcoming international space station contact event with a school system in Paterson, which will reach up to 35,000 students. This project will be done by WI2W, W2MSA, KD2SOG and N2RJ. The club also discussed the need to cap Field Day expenses at $500, which was approved by the members.

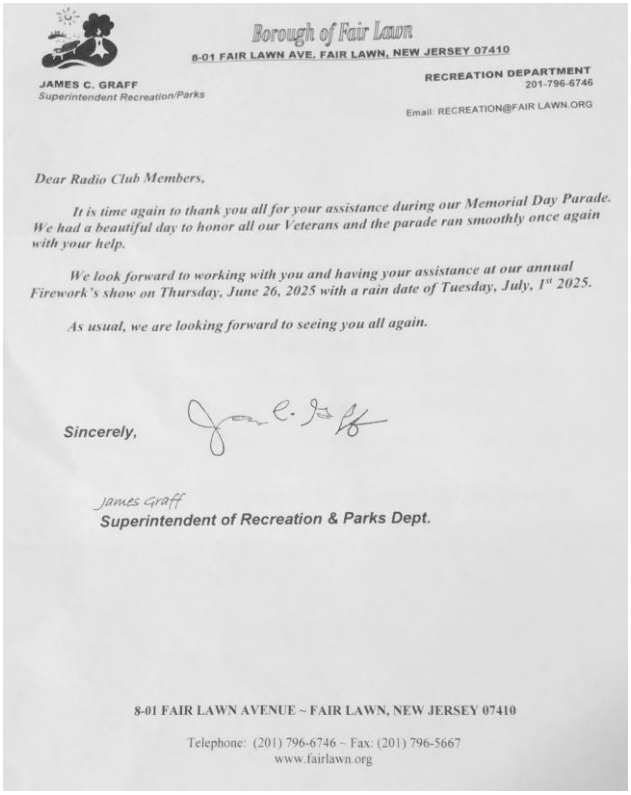
Motion was made to adjourn the meeting; approved by voice vote.

June 2025 FLARC Business Meeting, cont'd.

President Gene WO2W & Jim W2JC
with Certificate of Appreciation

Skip KD2BRV receives Certificate of Appreciation
from Ed WX2R

FAIR LAWN
N J
AMATEUR RADIO CLUB
OUTSTANDING VOLUNTEER CERTIFICATE
Presented to
Jim Cooper, W2JC
For his "above and beyond" assistance in representing the
Fair Lawn Amateur Radio Club in making the
Great Falls Earth Day with the National Parks & the Paterson School system GREAT
Presented by 2025 FLARC Board of Directors



Borough of Fair Lawn
8-01 FAIR LAWN AVE, FAIR LAWN, NEW JERSEY 07410

JAMES C. GRAFF
Superintendent Recreation/Parks

RECREATION DEPARTMENT
201-796-6746
Email: RECREATION@FAIR LAWN.ORG

Dear Radio Club Members,

It is time again to thank you all for your assistance during our Memorial Day Parade. We had a beautiful day to honor all our Veterans and the parade ran smoothly once again with your help.

We look forward to working with you and having your assistance at our annual Firework's show on Thursday, June 26, 2025 with a rain date of Tuesday, July, 1st 2025.

As usual, we are looking forward to seeing you all again.

Sincerely,

James Graff
Superintendent of Recreation & Parks Dept.

8-01 FAIR LAWN AVENUE ~ FAIR LAWN, NEW JERSEY 07410
Telephone: (201) 796-6746 ~ Fax: (201) 796-5667
www.fairlawn.org

Thank You letter from Parks Department